

FIG. 7: The return port (1) located in the lower right side of the reservoir is the return port for the return hose (2) from the rotary screen motor.

The return port (1) is also the return port for the return hose (3) from the relief return port on the priority valve assembly.

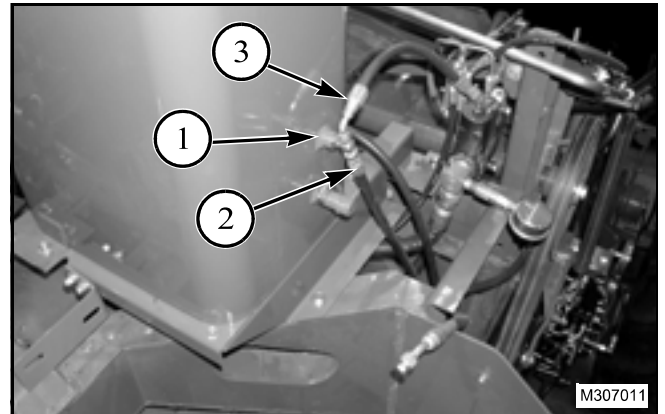


FIG. 7

FIG. 8: The reservoir filler neck and the sealed filler cap (1) are on top of the hydraulic reservoir.

The breather (2) is a spin on filter used as a breather. At the beginning of each harvest season, change the breather.

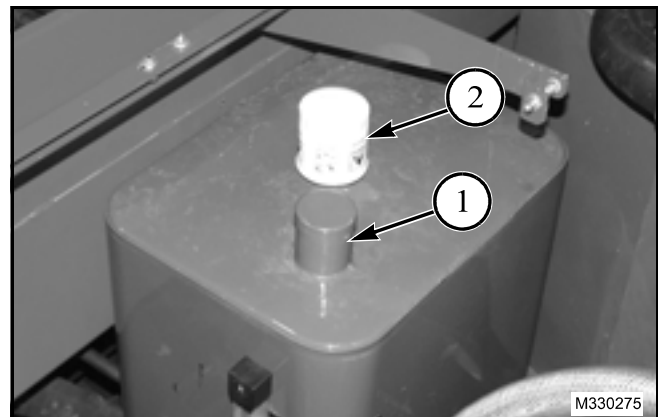


FIG. 8

## DRAINING

FIG. 9: To drain the hydraulic reservoir, locate the drain hose (1) on the rear right-hand side of the combine.

Once the correct hose is identified, place a suitable size drain container on the floor or ground under the hose.

Remove the plug from the end of the hose and allow the reservoir to drain.

*IMPORTANT: Properly dispose of the hydraulic-transmission fluid in accordance with environmental standards.*

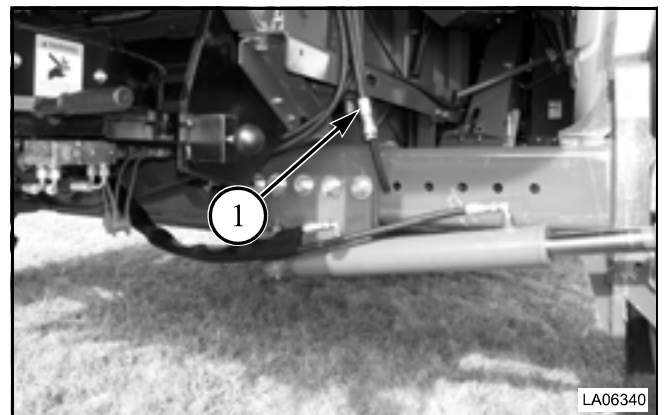


FIG. 9

# Hydraulic Reservoir

## REMOVAL

FIGS. 10–11: Drain the hydraulic-transmission fluid from the reservoir as described in this section.

Remove the drain hose (1) from the bottom of the hydraulic reservoir. The fitting can be accessed from the front of the engine bay or through the opening (2) just in front of the air box on the right-hand side of the combine.

Plug the end of the hose and cap the drain port to prevent contamination of the hydraulic system.

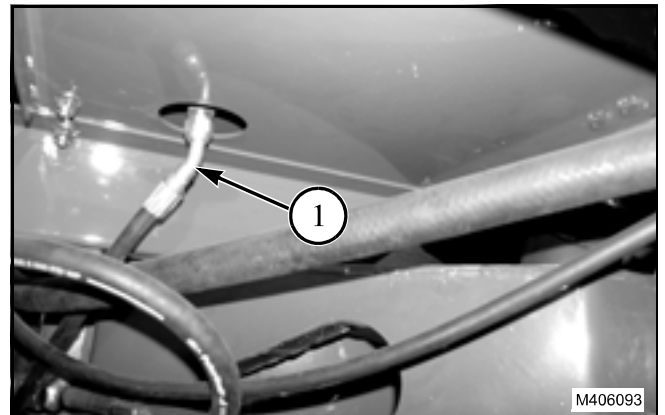


FIG. 10

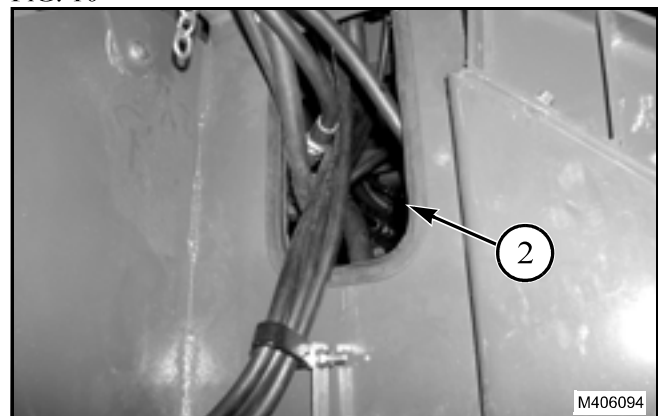


FIG. 11

FIG. 12: Disconnect the wiring to the oil level sensor (1) and to the temperature sensor (2).

Identify and mark the hydraulic lines to assist with assembly.

*NOTE: Refer to the General section of the Hydraulic Reservoir to assist in identifying the hydraulic lines.*

Remove the hydraulic lines from the hydraulic reservoir. Plug the ends of the hoses and cap the ports to prevent contamination of the hydraulic system.

*IMPORTANT: Cleanliness is essential when installing or servicing hydraulic components. When disconnecting hydraulic components, areas surrounding the connections should be steam cleaned or washed with solvent so that contamination will not enter the system. Always keep hoses, connections, and ports suitably capped or covered to keep contamination out of the system.*

Remove the rear full thread hex flange screw (3) with a hardened wide plain washer and a hex lock nut securing the wiring clamp and the hydraulic reservoir.

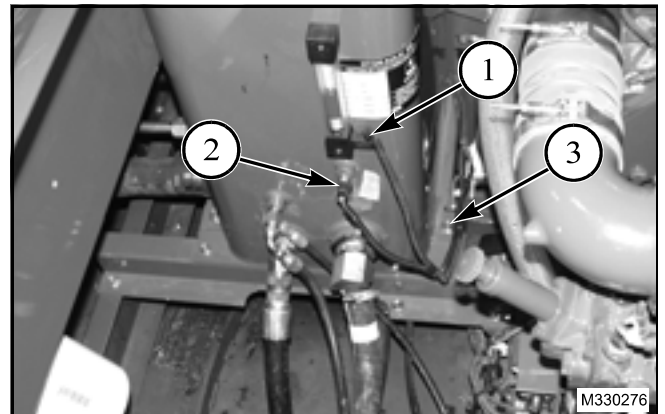


FIG. 12

FIG. 13: Remove the two front full thread hex flange screw (3) with a hardened wide plain washer and a hex lock nut securing the hydraulic reservoir. Remove the hydraulic reservoir from the combine.

Flush the reservoir with an approved solvent and dry with clean dry compressed air.

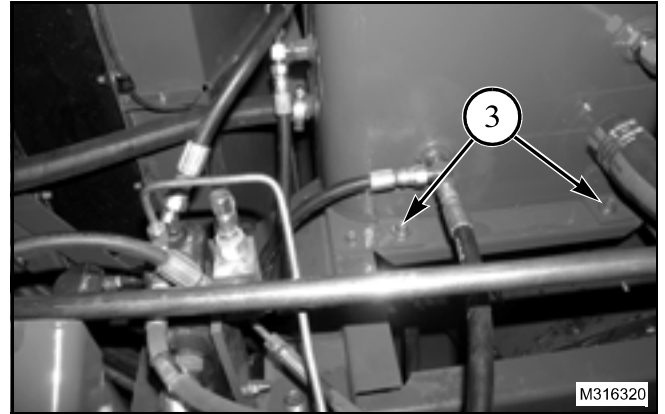


FIG. 13

## INSTALLATION

FIGS. 14–15: Place the hydraulic reservoir onto the reservoir plate (1). Install the two front full thread hex flange screw (2) with a hardened wide plain washer against the head of the screw. Install two hex lock nuts to secure the hydraulic reservoir.

Install the rear full thread hex flange screw (3) with the wiring clamp (4) and then the hardened wide plain washer against the head of the screw. Install a hex lock nut to secure the hydraulic reservoir. Tighten the three hex lock nuts securely.

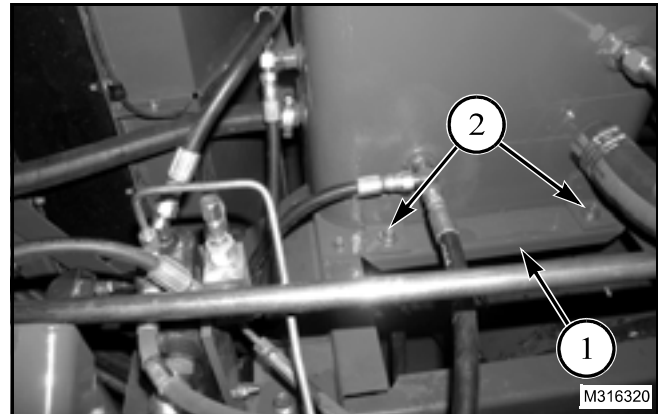


FIG. 14

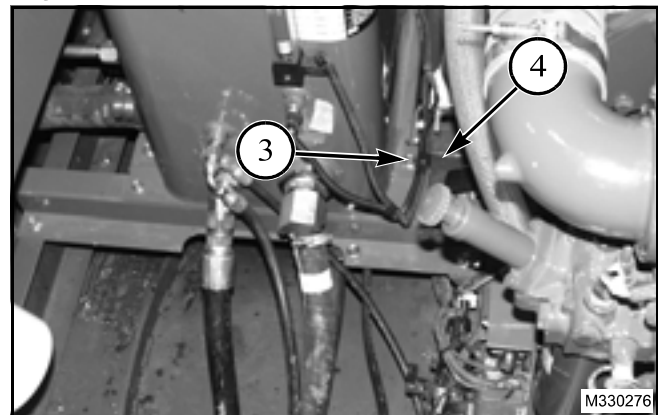


FIG. 15